

佳乐普

CHAROPS



AUTO REF/KERATOMETER
CRK 8800

To measure a human eye with high precision,
Huvitz Wavefront Technology can be the right answer.

Unlike many conventional diagnostic device ,CRK-8800 is based on the Hartmann-Shack waverfront sensor,which analyzes many focal spots of a light waverfront. It has opened up new possibilities for diagnosis of ocular error.

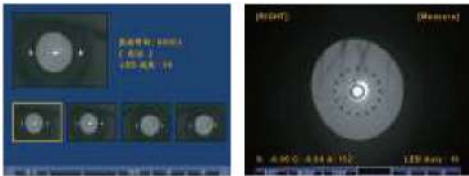


Optimized Optical System

HUVITZ's own developed MICRO LENSLET ARRAY creates a number of separated focal spots, of which the pattern provides valuable information about customer's ocular system. And SLD(Super Luminescent Diode) and highly sensitive CCD offers clearer images and secures accurate measurement result from ametropia, cataract and IOL.

Retro-Illumination Mode

You can see abnormal crystalline lenses, cataracts and scratches of corneas helping you to determine how healthy the customer's eyes are. With increased REF power, you also can check SPH,CYL and AXIS that cannot be measured in the normal mode.



IOL Measuring Mode

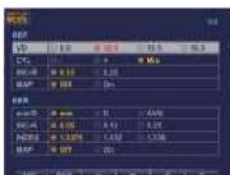
CRK-8800 determines the condition of eyes automatically to detect if there are IOLs or cataracts and measure them

Pupil and Iris Size Measurements

CRK-8800 can measure pupil, cornea and iris size under 14mm in diameter by freezing the image

Easy Setup

The user-friendly interface allows users to set the functions more easily and the changes of settings can be done



Realization of a Total Refraction System

CRK-8800 can be connected with Charops Digital Refractor, Lensmeter and other devices to get data faster and have more accurate measurement result.

Measurement Mode

| | |
|-----------|--|
| K/R Mode | Continuous Keratometry & Refractometry |
| REF Mode | Refractometry |
| KER Mode | Keratometry |
| CLBC Mode | Contact Lens Base Curve |
| SIZE Mode | Pupil & Iris Size |

Refractometry

| | |
|------------------------|---|
| Vertex Distance(VD) | 0.0 , 12.0, 13.5, 15.0mm |
| Sphere(SPH) | -25.00D ~+22.00D (When VD=12mm) (Increments:0.12D & 0.25D) |
| Cylinder(CYL) | 0.00 ~ ±10D(increments:0.12D & 0.25D) |
| Axis(AX) | 1°~180°(Increments:1°) |
| Cylinder Form | -, +, ± |
| Pupil Distance | 10~85mm |
| Minimum Pupil Diameter | ∅ 2.0mm |

Keratometry

| | |
|----------------------|--|
| Radius of Curvature | 5~10.2mm(Increments:0.01mm) |
| Corneal Power | 33.00D ~ 67.50D (When Index=1.3375) (Increments:0.05D/0.12D/0.25D) |
| Corneal Astigmatism | 0.00 ~ -15.00D (Increments:0.05D/0.12D/0.25D) |
| Axis (AX) | 1°~180°(Increments:1°) |
| Pupil, Iris Diameter | 2.0~14.0mm(Increments:0.1mm) |
| Memory of Data | 10 measurements for each eye |

Others

| | |
|------------------|---------------------------------------|
| Internal Printer | Thermal Line Printer |
| Power Saving | Automatic switch-off(5min) |
| Display | 5.7inch Color TFT LCD |
| Power Supply | AC100~240V, 50/60Hz(Free Voltage) 60W |
| Dimension | 252(W) x 500(D) x 432(H)mm/20kg |

Designs and details can be changed without prior notice for improvements